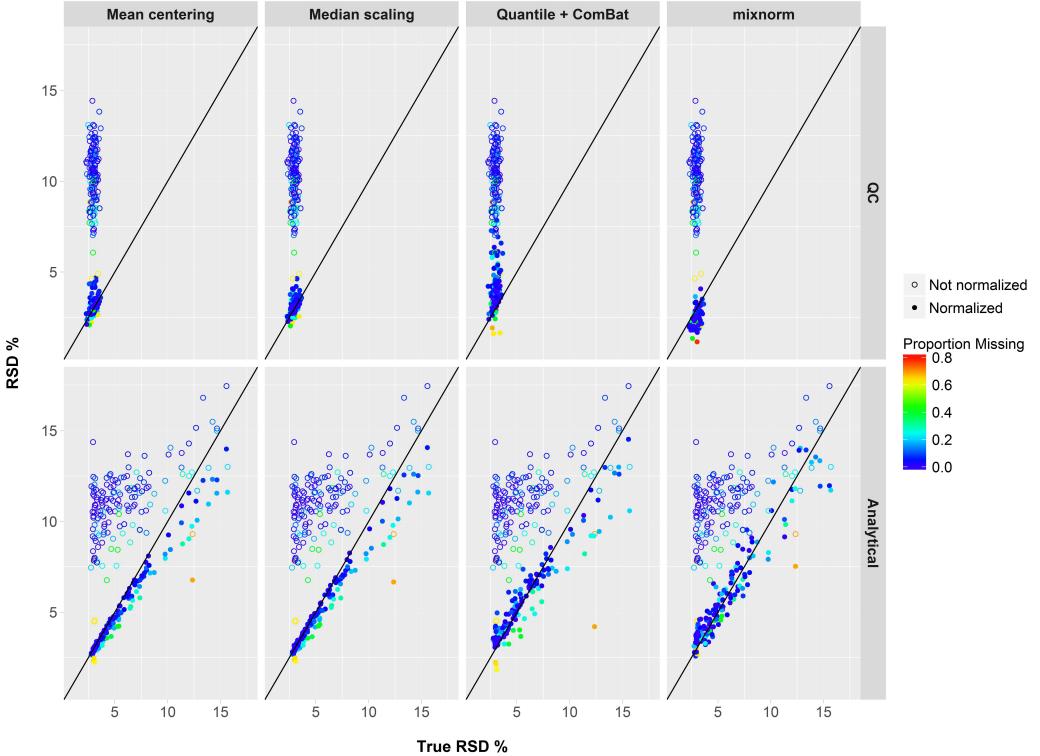


Figure S3: Simulation 123 Median scaling Quantile + ComBat mixnorm Mean centering 15 10 ည္က 8000 5 Not normalized Normalized Proportion Missing 0.8 RSD % 0.6 0.4 15 0.2 0.0 **Analytical** 10 5 15 15 15 5 10 5 10 5 10 15 5 10 True RSD %

Figure S4: Simulation 190 Median scaling Quantile + ComBat mixnorm Mean centering 15 10 ည္က 5 Not normalized Normalized Proportion Missing 0.8 RSD % 0.6 0.4 15 0.2 0.0 **Analytical** 10 5 15 15 15 5 10 5 10 5 10 15 5 10 True RSD %

Figure S5: Simulation 583

Mean cente



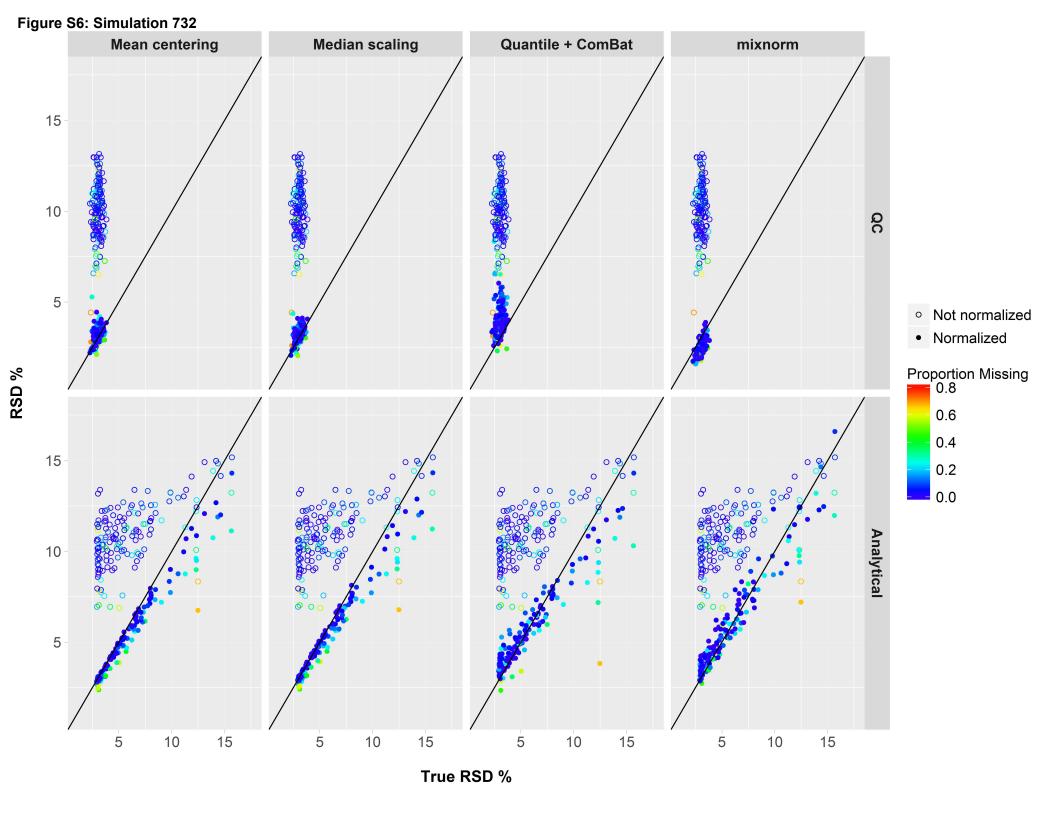


Figure S7: Simulation 826 Median scaling Quantile + ComBat mixnorm Mean centering 15 10 ည္က 5 Not normalized Normalized RSD % Proportion Missing 0.8 0.6 0.4 15 0.2 0.0 **Analytical** 10 5

True RSD %

5

10

15

5

15

10

15

15

5

10

10

5

Figure S8: Simulation 866 Median scaling Quantile + ComBat mixnorm Mean centering 15 10 ည္က 5 Not normalized Normalized RSD % Proportion Missing 0.8 0.6 0.4 15 0.2 0.0 **Analytical** 10 5 15 15 15 5 10 5 10 5 10 15 5 10 True RSD %

